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PATENT
Docket No. 02356/7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS : Naoyuki TANIGUCHI, et al.

RECEIVED

SERIAL NO. : 09/839,136

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TECH CENTER 1600/2900

FOR : ALPHA 1-6 FUCOSYLTRANSFERASE

GROUP ART : 1652 (anticipated)

EXAMINER : Not Assigned

Assistant Commissioner for Patents

Washington, D.C. 20231

PRELIMINARY AMENDMENT ADDING ABSTRACT

SIR:

Prior to examination of the above-identified application, please enter the following amendments.

In the Specification:

After page 119, please insert:

--ABSTRACT OF THE INVENTION

An isolated, porcine α 1-6 fucosyltransferase having the following physico-chemical

properties:

(1) action: transferring fucose from guanosine diphosphate-fucose to a hydroxy group at 6-position of GluNAc closest to R of a receptor $(\text{GlcNAc}\beta 1\text{-}2\text{Man}\alpha 1\text{-}6)(\text{GlcNAc}\beta 1\text{-}2\text{Man}\alpha 1\text{-}3)\text{Man}\beta 1\text{-}4\text{GlcNAc}\beta 1\text{-}4\text{GlcNAc-R}$ wherein R is an asparagine residue or a peptide chain carrying said residue, whereby to form $(\text{GlcNAc}\beta 1\text{-}2\text{Man}\alpha 1\text{-}6)(\text{GlcNAc}\beta 1\text{-}2\text{Man}\alpha 1\text{-}3)\text{Man}\beta 1\text{-}4\text{GlcNAc}\beta 1\text{-}4(\text{Fuc}\alpha 1\text{-}6)\text{GlcNAc-R}$

(2) optimum pH : about 7.0